

WEST Search History

DATE: Thursday, October 30, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

L8	gene same therapy same (hookworm or pinworm or tapeworm or roundworm)	0	L8
L7	schistome same gene same therapy	0	L7
L6	helminth same gene same therapy	2	L6
L5	transgenic same schistosome	0	L5
L4	transgenic same schistosom\$3	1	L4
L3	transgenic same nematode	227	L3
L2	transgenic same (hookworm or pinworm or tapeworm or roundworm)	29	L2
L1	transgenic same helminth	32	L1

END OF SEARCH HISTORY

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, CAPLUS, AGRICOLA'
AT 14:25:52 ON 30 OCT 2003

FILE 'MEDLINE' ENTERED AT 14:25:52 ON 30 OCT 2003

FILE 'BIOSIS' ENTERED AT 14:25:52 ON 30 OCT 2003

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.71	57.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.60	-2.60

=> s l1 and gene therapy
L9 10 L1 AND GENE THERAPY

=> s l2 and gene therapy
L10 45 L2 AND GENE THERAPY

=> s schistosome and gene therapy
L11 2 SCHISTOSOME AND GENE THERAPY

=> dup rem
ENTER L# LIST OR (END):19, 110, 111
PROCESSING COMPLETED FOR L9
PROCESSING COMPLETED FOR L10
PROCESSING COMPLETED FOR L11
L12 40 DUP REM L9, L10, L11 (17 DUPLICATES REMOVED)

=> s l12 and py <= 2000
2 FILES SEARCHED...
4 FILES SEARCHED...
L13 20 L12 AND PY <= 2000

=> d l13 tot ibib abs

FILE 'HOME' ENTERED AT 14:05:49 ON 30 OCT 2003

=> file medline biosis embase scisearch caplus agricola		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 14:06:12 ON 30 OCT 2003

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FILE 'AGRICOLA' ENTERED AT 14:06:12 ON 30 OCT 2003

=> s helminth
L1 26983 HELMINTH

=> s hookworm, pinworm, roundworm, tapeworm, or schistosom?
L2 76003 HOOKWORM, PINWORM, ROUNDWORM, TAPEWORM, OR SCHISTOSOM?

=> s l1 or l2
L3 98937 L1 OR L2

=> s l3 and transgenic
L4 349 L3 AND TRANSGENIC

=> s l4 and miracidia
L5 6 L4 AND MIRACIDIA

=> dup rem
ENTER L# LIST OR (END):14
PROCESSING COMPLETED FOR L4
L6 232 DUP REM L4 (117 DUPLICATES REMOVED)

=> s l10 and py <= 2000
L10 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l6 and py <= 2000
2 FILES SEARCHED...
4 FILES SEARCHED...
L7 160 L6 AND PY <= 2000

=> dup rem
ENTER L# LIST OR (END):15
PROCESSING COMPLETED FOR L5
L8 2 DUP REM L5 (4 DUPLICATES REMOVED)

=> d l8 tot ibib abs

L8	ANSWER 1 OF 2	MEDLINE on STN	DUPLICATE 1
ACCESSION NUMBER:	2002447964	MEDLINE	

DOCUMENT NUMBER: 22194119 PubMed ID: 12204221
 TITLE: Characterisation of the cysteine protease ER60 in **transgenic Schistosoma mansoni** larvae.
 AUTHOR: Wippersteg Volker; Kapp Katja; Kunz Werner; Grevelding Christoph G
 CORPORATE SOURCE: Institute for Genetics, Genetic Parasitology and Center for Biological and Medical Research, Heinrich-Heine-University, D-40225 Dusseldorf, Germany.
 SOURCE: INTERNATIONAL JOURNAL FOR PARASITOLOGY, (2002 Sep) 32 (10) 1219-24.
 Journal code: 0314024. ISSN: 0020-7519.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AJ429149; GENBANK-Z22934
 ENTRY MONTH: 200211
 ENTRY DATE: Entered STN: 20020904
 Last Updated on STN: 20021212
 Entered Medline: 20021121

AB Proteinases have been found to play important roles in parasites. They are involved in developmental processes and facilitate invasion of host tissues as well as the digestion of host molecules for nutrition. The cysteine protease ER60 from **Schistosoma mansoni**, originally characterised in adults to be expressed in excretory organs, was analysed in larval stages. Transcripts were found in **miracidia**, in vitro generated mother sporocysts and cercariae. After cloning the promoter and terminator of the ER60 gene, a transformation vector was constructed containing the green fluorescent protein reporter gene flanked by the regulatory elements. The ER60-green fluorescent protein vector was used for transfection experiments of COS-7 cells demonstrating the functionality of the promoter in the heterologous system. To analyse the expression pattern of ER60-green fluorescent protein in larval *S. mansoni*, in vitro generated mother sporocysts were transformed by particle bombardment, a method which allows gene transfer into **schistosomes**. Molecular analyses demonstrated transcription and translation of the transgene. Furthermore, confocal laser scanning microscopy revealed ER60-induced green fluorescent protein fluorescence within the larvae. Inside primary sporocysts, tissue-specific activity was localised in the gland cells, protonephridia and several cytons. These results suggest that ER60 is expressed in the ES system of larvae and, amongst other functions, may play a role in penetration and migration processes.

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2000:384463 CAPLUS
 DOCUMENT NUMBER: 133:39069
 TITLE: Use of **transgenic** parasites for introduction and expression of foreign genes in animals
 INVENTOR(S): Hamburger, Joseph; Laban, Avraham
 PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew University of Jerusalem, Israel
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032804	A1	20000608	WO 1999-IL651	19991201
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 764284 B2 20030814 AU 2000-14076 19991201
 NZ 512325 A 20030829 NZ 1999-512325 19991201

PRIORITY APPLN. INFO.: US 1998-201850 A 19981201
 WO 1999-IL651 W 19991201

AB A eukaryotic diploid multicellular parasite transformed with a transgene is disclosed. A method of providing a eukaryotic host with a protein including the step of infecting the eukaryotic host with a eukaryotic diploid parasite transformed with a polynucleotide sequence encoding the protein is further disclosed. Thus, **transgenic Schistosoma mansoni** eggs were prepd. by electroporation. The GFP gene was introduced into the GST gene or into the SM1-7 repetitive DNA sequence by homologous recombination. The GST promoter was used to drive GFP gene expression. Snails were infected with **miracidia** produced from the eggs. Mice were infected with single-sex cercariae produced by the snails. **Transgenic** adult worms developed in the mice.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 17 tot ti

- L7 ANSWER 1 OF 160 MEDLINE on STN
 TI New drugs, new vaccines, new diseases. An interview with Dr. Anthony Fauci, Director of the National Institute of Allergy and Infectious Diseases (NIAID).
- L7 ANSWER 2 OF 160 MEDLINE on STN
 TI Requirements of multiple domains of SLI-1, a *Caenorhabditis elegans* homologue of c-Cbl, and an inhibitory tyrosine in LET-23 in regulating vulval differentiation.
- L7 ANSWER 3 OF 160 MEDLINE on STN
 TI Enteric infection acts as an adjuvant for the response to a model food antigen.
- L7 ANSWER 4 OF 160 MEDLINE on STN
 TI Into ion channel and transporter function. *Caenorhabditis elegans* ClC-type chloride channels: novel variants and functional expression.
- L7 ANSWER 5 OF 160 MEDLINE on STN
 TI Apoptosis in the developing visual system.
- L7 ANSWER 6 OF 160 MEDLINE on STN
 TI Expression of multiple UNC-13 proteins in the *Caenorhabditis elegans* nervous system.
- L7 ANSWER 7 OF 160 MEDLINE on STN
 TI Effect of climate conditions and plant developmental stage on the stability of antibodies expressed in **transgenic** tobacco.
- L7 ANSWER 8 OF 160 MEDLINE on STN
 TI Expression of interleukin-9 leads to Th2 cytokine-dominated responses and fatal enteropathy in mice with chronic **Schistosoma mansoni** infections.
- L7 ANSWER 9 OF 160 MEDLINE on STN
 TI Ras pathway signals are required for notch-mediated oncogenesis.

L7 ANSWER 10 OF 160 MEDLINE on STN
 TI beta(2)-Integrin blockade driven by E-selectin promoter prevents neutrophil sequestration and lung injury in mice.

L7 ANSWER 11 OF 160 MEDLINE on STN
 TI Inhibition of hepatitis B virus replication during **schistosoma** mansoni infection in **transgenic** mice.

L7 ANSWER 12 OF 160 MEDLINE on STN
 TI Optical imaging of calcium transients in neurons and pharyngeal muscle of *C. elegans*.

L7 ANSWER 13 OF 160 MEDLINE on STN
 TI A palmitoyl-CoA-specific delta9 fatty acid desaturase from *Caenorhabditis elegans*.

L7 ANSWER 14 OF 160 MEDLINE on STN
 TI A filarial nematode-secreted product signals dendritic cells to acquire a phenotype that drives development of Th2 cells.

L7 ANSWER 15 OF 160 MEDLINE on STN
 TI Drastic reduction of a filarial infection in eosinophilic interleukin-5 **transgenic** mice.

L7 ANSWER 16 OF 160 MEDLINE on STN
 TI The role of eosinophils in parasitic **helminth** infections: insights from genetically modified mice.

L7 ANSWER 17 OF 160 MEDLINE on STN
 TI *Caenorhabditis elegans* twist plays an essential role in non-striated muscle development.

L7 ANSWER 18 OF 160 MEDLINE on STN
 TI A genetic link between co-suppression and RNA interference in *C. elegans*.

L7 ANSWER 19 OF 160 MEDLINE on STN
 TI **Schistosoma** infection of **transgenic** mice defines distinct and contrasting pathogenic roles for IL-4 and IL-13: IL-13 is a profibrotic agent.

L7 ANSWER 20 OF 160 MEDLINE on STN
 TI cDNA cloning and expression of a C-terminus motor kinesin-like protein KLP-17, involved in chromosomal movement in *Caenorhabditis elegans*.

L7 ANSWER 21 OF 160 MEDLINE on STN
 TI Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes.

L7 ANSWER 22 OF 160 MEDLINE on STN
 TI Receptor-mediated endocytosis in the *Caenorhabditis elegans* oocyte.

L7 ANSWER 23 OF 160 MEDLINE on STN
 TI CLC chloride channels in *Caenorhabditis elegans*.

L7 ANSWER 24 OF 160 MEDLINE on STN
 TI Identification of promoter elements of parasite nematode genes in **transgenic** *Caenorhabditis elegans*.

L7 ANSWER 25 OF 160 MEDLINE on STN
 TI Regulation of postembryonic G(1) cell cycle progression in *Caenorhabditis elegans* by a cyclin D/CDK-like complex.

L7 ANSWER 26 OF 160 MEDLINE on STN

TI Trapping and immobilization of *Nippostrongylus brasiliensis* larvae at the site of inoculation in primary infections of interleukin-5 **transgenic** mice.

L7 ANSWER 27 OF 160 MEDLINE on STN
 TI Animal cell-death suppressors Bcl-x(L) and Ced-9 inhibit cell death in tobacco plants.

L7 ANSWER 28 OF 160 MEDLINE on STN
 TI Humoral response suppression observed with CD23 transgenics.

L7 ANSWER 29 OF 160 MEDLINE on STN
 TI Eosinophil and IgE responses of IL-5 **transgenic** mice experimentally infected with *Nippostrongylus brasiliensis*.

L7 ANSWER 30 OF 160 MEDLINE on STN
 TI The timing of lin-4 RNA accumulation controls the timing of postembryonic developmental events in *Caenorhabditis elegans*.

L7 ANSWER 31 OF 160 MEDLINE on STN
 TI Function and dysfunction of the presenilins.

L7 ANSWER 32 OF 160 MEDLINE on STN
 TI Transcription, biochemistry and localization of nematode annexins.

L7 ANSWER 33 OF 160 MEDLINE on STN
 TI Analysis of calsequestrin gene expression using green fluorescent protein in *Caenorhabditis elegans*.

L7 ANSWER 34 OF 160 MEDLINE on STN
 TI The substance P receptor is necessary for a normal granulomatous response in murine **schistosomiasis** *mansoni*.

L7 ANSWER 35 OF 160 MEDLINE on STN
 TI Evidence for multiple promoter elements orchestrating male-specific regulation of the her-1 gene in *Caenorhabditis elegans*.

L7 ANSWER 36 OF 160 MEDLINE on STN
 TI *Caenorhabditis elegans* inhibitor of apoptosis protein (IAP) homologue BIR-1 plays a conserved role in cytokinesis.

L7 ANSWER 37 OF 160 MEDLINE on STN
 TI Integration of the central death pathway in cellular decision-making.

L7 ANSWER 38 OF 160 MEDLINE on STN
 TI Two heteromeric kinesin complexes in chemosensory neurons and sensory cilia of *Caenorhabditis elegans*.

L7 ANSWER 39 OF 160 MEDLINE on STN
 TI Proapoptotic activity of *Caenorhabditis elegans* CED-4 protein in *Drosophila*: implicated mechanisms for caspase activation.

L7 ANSWER 40 OF 160 MEDLINE on STN
 TI Expression of spliceosome-associated protein 49 is required for early embryogenesis in *Caenorhabditis elegans*.

L7 ANSWER 41 OF 160 MEDLINE on STN
 TI The levels of the RorNP-associated Y RNA are dependent upon the presence of ROP-1, the *Caenorhabditis elegans* Ro60 protein.

L7 ANSWER 42 OF 160 MEDLINE on STN
 TI Cloning of a trans-spliced glyceraldehyde-3-phosphate-dehydrogenase gene from the potato cyst nematode *Globodera rostochiensis* and expression of its putative promoter region in *Caenorhabditis elegans*.

L7 ANSWER 43 OF 160 MEDLINE on STN
 TI Substance P regulates somatostatin expression in inflammation.

L7 ANSWER 44 OF 160 MEDLINE on STN
 TI Repression by the 3' UTR of fem-3, a sex-determining gene, relies on a ubiquitous mog-dependent control in Caenorhabditis elegans.

L7 ANSWER 45 OF 160 MEDLINE on STN
 TI Monogenic determinants of familial Alzheimer's disease: presenilin-1 mutations.

L7 ANSWER 46 OF 160 MEDLINE on STN
 TI Life extension and stress resistance in Caenorhabditis elegans modulated by the tkr-1 gene.

L7 ANSWER 47 OF 160 MEDLINE on STN
 TI Regulation of the Caenorhabditis elegans gut cysteine protease gene cpr-1: requirement for GATA motifs.

L7 ANSWER 48 OF 160 MEDLINE on STN
 TI Immune responses of IL-5 **transgenic** mice to parasites and aeroallergens.

L7 ANSWER 49 OF 160 MEDLINE on STN
 TI Enhanced liver cell mutations in trematode-infected Big Blue **transgenic** mice.

L7 ANSWER 50 OF 160 MEDLINE on STN
 TI Identification of heterochronic mutants in Caenorhabditis elegans. Temporal misexpression of a collagen::green fluorescent protein fusion gene.

L7 ANSWER 51 OF 160 MEDLINE on STN
 TI In vivo expression of neutrophil inhibitory factor via gene transfer prevents lipopolysaccharide-induced lung neutrophil infiltration and injury by a beta2 integrin-dependent mechanism.

L7 ANSWER 52 OF 160 MEDLINE on STN
 TI Chromatin silencing and the maintenance of a functional germline in Caenorhabditis elegans.

L7 ANSWER 53 OF 160 MEDLINE on STN
 TI pha-4 is Ce-fkh-1, a fork head/HNF-3alpha,beta,gamma homolog that functions in organogenesis of the C. elegans pharynx.

L7 ANSWER 54 OF 160 MEDLINE on STN
 TI The Bcl-2 family and cell death regulation.

L7 ANSWER 55 OF 160 MEDLINE on STN
 TI Serine hydroxymethyltransferase is maternally essential in Caenorhabditis elegans.

L7 ANSWER 56 OF 160 MEDLINE on STN
 TI Characterization of cDNAs encoding serine proteinases from the soybean cyst nematode Heterodera glycines.

L7 ANSWER 57 OF 160 MEDLINE on STN
 TI Protective roles of eosinophils in Nippostrongylus brasiliensis infection.

L7 ANSWER 58 OF 160 MEDLINE on STN
 TI Comparative studies on **schistosomicidal** activity of mouse and rat eosinophils.

L7 ANSWER 59 OF 160 MEDLINE on STN
 TI Th2-mediated host protective immunity to intestinal nematode infections.

L7 ANSWER 60 OF 160 MEDLINE on STN
 TI Immunoregulation and parasitic infections.

L7 ANSWER 61 OF 160 MEDLINE on STN
 TI Reprogramming chemotaxis responses: sensory neurons define olfactory preferences in *C. elegans*.

L7 ANSWER 62 OF 160 MEDLINE on STN
 TI Interpreting a sequenced genome: toward a cosmid **transgenic** library of *Caenorhabditis elegans*.

L7 ANSWER 63 OF 160 MEDLINE on STN
 TI Functional domains of LAG-2, a putative signaling ligand for LIN-12 and GLP-1 receptors in *Caenorhabditis elegans*.

L7 ANSWER 64 OF 160 MEDLINE on STN
 TI Expression of a **Schistosoma** mansoni 28-kilodalton glutathione S-transferase in the livers of **transgenic** mice and its effect on parasite infection.

L7 ANSWER 65 OF 160 MEDLINE on STN
 TI Eosinophilic interleukin 5 (IL-5) **transgenic** mice: eosinophil activity and impaired clearance of **Schistosoma** mansoni.

L7 ANSWER 66 OF 160 MEDLINE on STN
 TI Molecular cloning and expression of the *Caenorhabditis elegans* klp-3, an ortholog of C terminus motor kinesins Kar3 and ncd.

L7 ANSWER 67 OF 160 MEDLINE on STN
 TI Alignment of the genetic and physical maps in the dpy-5 bli-4 (I) region of *C. elegans* by the serial cosmid rescue of lethal mutations.

L7 ANSWER 68 OF 160 MEDLINE on STN
 TI Positive and negative tissue-specific signaling by a nematode epidermal growth factor receptor.

L7 ANSWER 69 OF 160 MEDLINE on STN
 TI Impaired host defense, hematopoiesis, granulomatous inflammation and type 1-type 2 cytokine balance in mice lacking CC chemokine receptor 1.

L7 ANSWER 70 OF 160 MEDLINE on STN
 TI Transgene-induced production of IL-4 alters the development and collagen expression of T helper cell 1-type pulmonary granulomas.

L7 ANSWER 71 OF 160 MEDLINE on STN
 TI The mouse rostral cerebellar malformation gene encodes an UNC-5-like protein.

L7 ANSWER 72 OF 160 MEDLINE on STN
 TI Structure and expression of the *Caenorhabditis elegans* protein kinase C2 gene. Origins and regulated expression of a family of Ca²⁺-activated protein kinase C isoforms.

L7 ANSWER 73 OF 160 MEDLINE on STN
 TI Structure, function, and expression of SEL-1, a negative regulator of LIN-12 and GLP-1 in *C. elegans*.

L7 ANSWER 74 OF 160 MEDLINE on STN
 TI Identification of an animal omega-3 fatty acid desaturase by heterologous expression in *Arabidopsis*.

L7 ANSWER 75 OF 160 MEDLINE on STN
 TI Conservation of function and expression of unc-119 from two *Caenorhabditis* species despite divergence of non-coding DNA.

L7 ANSWER 76 OF 160 MEDLINE on STN
 TI Eosinophilia, IL-5 level and recovery of larvae in IL-5 **transgenic** mice infected with *Toxocara canis*.

L7 ANSWER 77 OF 160 MEDLINE on STN
 TI A murine neural-specific homolog corrects cholinergic defects in *Caenorhabditis elegans* unc-18 mutants.

L7 ANSWER 78 OF 160 MEDLINE on STN
 TI An essential ubiquitin-conjugating enzyme with tissue and developmental specificity in the nematode *Caenorhabditis elegans*.

L7 ANSWER 79 OF 160 MEDLINE on STN
 TI **Transgenic** strains of the nematode *C. elegans* in biomonitoring and toxicology: effects of captan and related compounds on the stress response.

L7 ANSWER 80 OF 160 MEDLINE on STN
 TI Zinc finger protein GFI-1 cooperates with myc and pim-1 in T-cell lymphomagenesis by reducing the requirements for IL-2.

L7 ANSWER 81 OF 160 MEDLINE on STN
 TI Effect of the dpy-20 and rol-6 cotransformation markers on alpha-tubulin gene expression in *C. elegans* transformants.

L7 ANSWER 82 OF 160 MEDLINE on STN
 TI The *Caenorhabditis elegans* rop-1 gene encodes the homologue of the human 60-kDa Ro autoantigen.

L7 ANSWER 83 OF 160 MEDLINE on STN
 TI Elevated innate peripheral blood eosinophilia fails to augment irradiated cercarial vaccine-induced resistance to *Schistosoma mansoni* in IL-5 **transgenic** mice.

L7 ANSWER 84 OF 160 MEDLINE on STN
 TI Identification and cloning of unc-119, a gene expressed in the *Caenorhabditis elegans* nervous system.

L7 ANSWER 85 OF 160 MEDLINE on STN
 TI The *C. elegans* sex-determining gene fem-2 encodes a putative protein phosphatase.

L7 ANSWER 86 OF 160 MEDLINE on STN
 TI TCR gamma delta cells: mysterious cells of the immune system.

L7 ANSWER 87 OF 160 MEDLINE on STN
 TI Genesis of an organ: molecular analysis of the pha-1 gene.

L7 ANSWER 88 OF 160 MEDLINE on STN
 TI Two waves of gamma delta T cells expressing different V delta genes are recruited into **schistosome**-induced liver granulomas.

L7 ANSWER 89 OF 160 MEDLINE on STN
 TI The *C. elegans* neuronally expressed homeobox gene ceh-10 is closely related to genes expressed in the vertebrate eye.

L7 ANSWER 90 OF 160 MEDLINE on STN
 TI Participation of the protein Go in multiple aspects of behavior in *C. elegans*.

L7 ANSWER 91 OF 160 MEDLINE on STN
 TI Modulation of serotonin-controlled behaviors by Go in *Caenorhabditis elegans*.

L7 ANSWER 92 OF 160 MEDLINE on STN
 TI Elements regulating cell- and stage-specific expression of the *C. elegans* MyoD family homolog *hlh-1*.

L7 ANSWER 93 OF 160 MEDLINE on STN
 TI The mechanism of transposition of Tc3 in *C. elegans*.

L7 ANSWER 94 OF 160 MEDLINE on STN
 TI Transgene CD23 expression on lymphoid cells modulates IgE and IgG1 responses.

L7 ANSWER 95 OF 160 MEDLINE on STN
 TI Negative feedback regulation of IgE synthesis by murine CD23.

L7 ANSWER 96 OF 160 MEDLINE on STN
 TI Structure and expression of a novel, neuronal protein kinase C (PKC1B) from *Caenorhabditis elegans*. PKC1B is expressed selectively in neurons that receive, transmit, and process environmental signals.

L7 ANSWER 97 OF 160 MEDLINE on STN
 TI Target site choice of the related transposable elements Tc1 and Tc3 of *Caenorhabditis elegans*.

L7 ANSWER 98 OF 160 MEDLINE on STN
 TI Comparing mutants, selective breeding, and transgenics in the dissection of aging processes of *Caenorhabditis elegans*.

L7 ANSWER 99 OF 160 MEDLINE on STN
 TI *unc-101*, a gene required for many aspects of *Caenorhabditis elegans* development and behavior, encodes a clathrin-associated protein.

L7 ANSWER 100 OF 160 MEDLINE on STN
 TI One-step purification of plant ferredoxin-NADP+ oxidoreductase expressed in *Escherichia coli* as fusion with glutathione S-transferase.

L7 ANSWER 101 OF 160 MEDLINE on STN
 TI Analysis of the VPE sequences in the *Caenorhabditis elegans* vit-2 promoter with extrachromosomal tandem array-containing **transgenic** strains.

L7 ANSWER 102 OF 160 MEDLINE on STN
 TI Molecular cloning and developmental expression of the alpha-2 tubulin gene of *Caenorhabditis elegans*.

L7 ANSWER 103 OF 160 MEDLINE on STN
 TI The *Drosophila melanogaster* flightless-I gene involved in gastrulation and muscle degeneration encodes gelsolin-like and leucine-rich repeat domains and is conserved in *Caenorhabditis elegans* and humans.

L7 ANSWER 104 OF 160 MEDLINE on STN
 TI Genetic identification, sequence, and alternative splicing of the *Caenorhabditis elegans* alpha 2(IV) collagen gene.

L7 ANSWER 105 OF 160 MEDLINE on STN
 TI Genetic and molecular characterization of the *Caenorhabditis elegans* spermatogenesis-defective gene *spe-17*.

L7 ANSWER 106 OF 160 MEDLINE on STN
 TI Characterization of the *Caenorhabditis elegans* Tc1 transposase in vivo and in vitro.

L7 ANSWER 107 OF 160 MEDLINE on STN
 TI In vitro and in vivo activation of murine gamma/delta T cells induces the expression of IgA, IgM, and IgG Fc receptors.

L7 ANSWER 108 OF 160 MEDLINE on STN
 TI Analysis of dominant-negative mutations of the *Caenorhabditis elegans* let-60 ras gene.

L7 ANSWER 109 OF 160 MEDLINE on STN
 TI Eosinophilia in **transgenic** mice expressing interleukin 5.

L7 ANSWER 110 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Investigating the impact of intestinal **helminth** infection on immune response in a **transgenic** adoptive transfer system.

L7 ANSWER 111 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI High affinity IgE receptor-mediated IL-10 release by human and **transgenic** mouse eosinophils.

L7 ANSWER 112 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Biologic functions of the IFN-gamma receptors.

L7 ANSWER 113 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Accumulation of antibody fusion proteins in the cytoplasm and ER of plant cells.

L7 ANSWER 114 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Reduced mortality rate of IL-5 **transgenic** mice infected with a Chinese strain of *Schistosoma japonicum*.

L7 ANSWER 115 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI The substance P receptor is necessary for a normal granulomatous response in murine **schistosomiasis** mansoni.

L7 ANSWER 116 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Interleukin-5 **transgenic** mice show enhanced resistance to primary infections with *Nippostrongylus brasiliensis* but not primary infections with *Toxocara canis*.

L7 ANSWER 117 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Liver fluke infestations enhance mutation frequency in big blue **transgenic** mice.

L7 ANSWER 118 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI Immune responses of IL-5 **transgenic** mice to parasites and aeroallergens.

L7 ANSWER 119 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI *Schistosoma* mansoni infection in murine TGF-beta-1 **transgenic** models.

L7 ANSWER 120 OF 160 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI **Transgenic** mice expressing high levels of soluble TNF receptor 1 are highly sensitive to *L. monocytogenes*, *M. tuberculosis*, *L. major*, *T. gondii* and *T. cruzi* infections, display unaltered to *S. mansoni* infection and are protected from lethal cerebral malaria.

L7 ANSWER 121 OF 160 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
 TI The N-terminal .beta.-barrel structure of lipid body lipoygenase mediates its binding to liposomes and lipid bodies.

L7 ANSWER 122 OF 160 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS

RESERVED. on STN

TI Molecular genetics of bladder cancer: Pathways of development and progression.

L7 ANSWER 123 OF 160 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

TI Erratum: Expression of a *Schistosoma mansoni* 28-kilodalton glutathione S-transferase in the livers of **transgenic** mice and its effect on parasite infection (Infection and Immunity 65:9 (3867-3874)).

L7 ANSWER 124 OF 160 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

TI Lens crystallins: The evolution and expression of proteins for a highly specialized tissue.

L7 ANSWER 125 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Delayed expulsion of the nematode *Trichinella spiralis* in mice lacking the mucosal mast cell-specific granule chymase, mouse mast cell protease-1

L7 ANSWER 126 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI IL-9-deficient mice establish fundamental roles for IL-9 in pulmonary mastocytosis and goblet cell hyperplasia but not T cell development

L7 ANSWER 127 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Role of IL-5 in innate and adaptive immunity to larval *Strongyloides stercoralis* in mice

L7 ANSWER 128 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI In activated mast cells, IL-1 up-regulates the production of several Th2-related cytokines including IL-9

L7 ANSWER 129 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Pulmonary eosinophilia and production of MIP-1 alpha are prominent responses to infection with pneumonia virus of mice

L7 ANSWER 130 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Antigen-presenting cells recruited by *Brugia malayi* induce Th2 differentiation of naive CD4(+) T cells

L7 ANSWER 131 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Do eosinophils have a role in the killing of **helminth** parasites?

L7 ANSWER 132 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI The *Biomphalaria glabrata* embryonic (Bge) molluscan cell line: Establishment of an in vitro cellular model for the study of snail host-parasite interactions

L7 ANSWER 133 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Characterization of plant nematode genes: identifying targets for a **transgenic** defence

L7 ANSWER 134 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Vacuolar processing enzyme is up-regulated in the lytic vacuoles of vegetative tissues during senescence and under various stressed conditions

L7 ANSWER 135 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Constitutive expression of interleukin 4 in vivo does not lead to the development of T helper 2 type CD8(+) T cells secreting interleukin 4 or interleukin 5

L7 ANSWER 136 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

TI Nerve growth factor: A neurotrophin with activity on cells of the immune system

L7 ANSWER 137 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Interleukin-9 enhances resistance to the intestinal nematode *Trichuris muris*

L7 ANSWER 138 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Expression of a *Schistosoma mansoni* 28-kilodalton glutathione S-transferase in the livers of **transgenic** mice and its effect on parasite infection (vol 65, pg 3867, 1997)

L7 ANSWER 139 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI **Helminth** antigens selectively differentiate unsensitized CD45RA(+)CD4(+) human T cells in vitro

L7 ANSWER 140 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Marked eosinophilia in interleukin-5 **transgenic** mice fails to prevent *Trichinella spiralis* infection

L7 ANSWER 141 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI In vivo the environmental pollutants lead and mercury induce oligoclonal T cell responses skewed toward type-2 reactivities

L7 ANSWER 142 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI Eosinophilia and intracranial worm recovery in interleukin-5 **transgenic** and interleukin-5 receptor alpha chain-knockout mice infected with *Angiostrongylus cantonensis*

L7 ANSWER 143 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI *Schistosoma mansoni* infection in murine TGF-beta 1 **transgenic** models.

L7 ANSWER 144 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI B-1 cell (CD5(+)B220(+)) outgrowth in murine **schistosomiasis** is genetically restricted and is largely due to activation by polylactosamine sugars

L7 ANSWER 145 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI BETA-2-MICROGLOBULIN-DEPENDENT NK1.1(+) T-CELLS ARE NOT ESSENTIAL FOR T-HELPER CELL 2 IMMUNE-RESPONSES

L7 ANSWER 146 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI PARASITES AND T-HELPER CELL-DEVELOPMENT - SOME INSIGHTS

L7 ANSWER 147 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI ROLE OF ANTIGEN-PRESENTING CELLS IN THE POLARIZED DEVELOPMENT OF HELPER T-CELL SUBSETS - EVIDENCE FOR DIFFERENTIAL CYTOKINE PRODUCTION BY TH0 CELLS IN RESPONSE TO ANTIGEN PRESENTATION BY B-CELLS AND MACROPHAGES

L7 ANSWER 148 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI DENDRITIC CELLS AND MACROPHAGES ARE REQUIRED FOR TH1 DEVELOPMENT OF CD4+ T-CELLS FROM ALPHA-BETA-TCR **TRANSGENIC** MICE - IL-12 SUBSTITUTION FOR MACROPHAGES TO STIMULATE IFN-GAMMA PRODUCTION IS IFN-GAMMA-DEPENDENT

L7 ANSWER 149 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI THE BIOLOGY OF THE EOSINOPHILIC LEUKOCYTE

L7 ANSWER 150 OF 160 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 TI INFECTION OF IL5 **TRANSGENIC** MICE WITH MESOCESTOIDES-CORTI INDUCES VERY HIGH-LEVELS OF IL5 BUT DEPRESSED PRODUCTION OF EOSINOPHILS

L7 ANSWER 151 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Use of **transgenic** parasites for introduction and expression of foreign genes in animals

L7 ANSWER 152 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI **Transgenic** parasitic worms as vector organisms for gene therapy

L7 ANSWER 153 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Preparation of glutathione transferase of **Schistosoma** japonicum with **transgenic** domestic silkworms for medical use

L7 ANSWER 154 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Increasing levels of foreign gene expression in plants using introns 1-2 and/or chloroplast transit peptide-encoding exons of the PAT1 gene

L7 ANSWER 155 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Expression of a **Schistosoma** mansoni 28-kilodalton glutathione S-transferase in the livers of **transgenic** mice and its effect on parasite infection Xiaochuan Xu, Catherine Lemaire, Jean-Marie Grzych, Raymond J. Pierce, Mireille Raccurt, Frederic Mullier, Farid Zerimech, Jean Pierre Decavel, Simone Peyrol, Jinli Liu, Josette Fontaine, Sophia Lafitte, Andre Capron, and Jean-Yves Cesbron

L7 ANSWER 156 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI **Schistosoma** as a secretory expression host for use in gene therapy

L7 ANSWER 157 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI **Transgenic** plants producing enzyme-inhibiting protein and use as parasiticide-contg. medicaments or dietary crops for control of animal parasites

L7 ANSWER 158 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Eosinophilia in **Schistosoma** japonicum-infected mice and roles of eosinophils

L7 ANSWER 159 OF 160 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN
 TI Exploring parasite genomes.

L7 ANSWER 160 OF 160 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN
 TI Genetic engineering of an insect parasite.

=> d 17 101, 108, 110, 115, 132, 151, 152, 156, 160 ibib abs

L7 ANSWER 156 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1997:303394 CAPLUS
 DOCUMENT NUMBER: 126:273261
 TITLE: **Schistosoma** as a secretory expression host
 for use in gene therapy
 INVENTOR(S): Miller, Ira
 PATENT ASSIGNEE(S): Miller, Ira, USA
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9711191	A1	19970327	WO 1996-US15083	19960920	<--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA					
CA 2232514	AA	19970327	CA 1996-2232514	19960920	<--
AU 9672411	A1	19970409	AU 1996-72411	19960920	<--
EP 851936	A1	19980708	EP 1996-933832	19960920	<--
R: AT, BE, CH, DE, FR, GB, IT, LI					
PRIORITY APPLN. INFO.:			US 1995-4115P	P	19950921
			WO 1996-US15083	W	19960920
AB A method of generating transgenic Schistosoma for use as a secretory expression host in the treatment of disease is discussed. The desired products are secreted into the bloodstream of the host (patient) by Schistosomes that have been engineered through the germline with DNA encoding the transgene. The use of schistosomes as an intermediate vector facilitates mass prodn., quality control, termination of therapy at will and dose titrn. The method is applicable to situations in which the acquired protein is functional in the plasma or in endocytotic vesicles. Propagation of the schistosomes is prevented by interfering with eggshell prodn. by inactivation of essential genes using ribozymes or antisense DNA. Regulatory elements from genes involved in oogenesis are used to drive expression of the gene in a human host.					

L7 ANSWER 152 OF 160 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2000:133869 CAPLUS
 DOCUMENT NUMBER: 132:176618
 TITLE: **Transgenic** parasitic worms as vector
 organisms for gene therapy
 INVENTOR(S): Morley, John
 PATENT ASSIGNEE(S): Haldane Research Ltd., UK
 SOURCE: PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009731	A1	20000224	WO 1999-GB2678	19990813 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9954316	A1	20000306	AU 1999-54316	19990813 <--
PRIORITY APPLN. INFO.:			GB 1998-17838	A 19980814
			WO 1999-GB2678	W 19990813

AB This invention relates to a **transgenic** eukaryotic vector organism comprising a heterologous coding sequence which encodes (a) a therapeutic polypeptide, or (b) a polypeptide capable of generating a therapeutic agent, which vector organism is capable of living non-pathogenically within a mammalian or avian host organism, and of expressing the coding sequence as a therapeutic polypeptide. One particularly preferred group of vector organisms are trematodes, particularly **schistosomes**, and another group of organisms are parasitic nematodes.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE R

L8 ANSWER 1 OF 2 MEDLINE on STN DUPLICATE 1
 ACCESSION NUMBER: 2002447964 MEDLINE
 DOCUMENT NUMBER: 22194119 PubMed ID: 12204221
 TITLE: Characterisation of the cysteine protease ER60 in
transgenic Schistosoma mansoni larvae.
 AUTHOR: Wipperfsteg Volker; Kapp Katja; Kunz Werner; Grevelding
 Christoph G
 CORPORATE SOURCE: Institute for Genetics, Genetic Parasitology and Center for
 Biological and Medical Research, Heinrich-Heine-University,
 D-40225 Dusseldorf, Germany.
 SOURCE: INTERNATIONAL JOURNAL FOR PARASITOLOGY, (2002 Sep) 32 (10)
 1219-24.
 Journal code: 0314024. ISSN: 0020-7519.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AJ429149; GENBANK-Z22934
 ENTRY MONTH: 200211
 ENTRY DATE: Entered STN: 20020904
 Last Updated on STN: 20021212
 Entered Medline: 20021121

AB Proteinases have been found to play important roles in parasites. They
 are involved in developmental processes and facilitate invasion of host
 tissues as well as the digestion of host molecules for nutrition. The
 cysteine protease ER60 from **Schistosoma mansoni**, originally
 characterised in adults to be expressed in excretory organs, was analysed
 in larval stages. Transcripts were found in **miracidia**, in vitro
 generated mother sporocysts and cercariae. After cloning the promoter and
 terminator of the ER60 gene, a transformation vector was constructed
 containing the green fluorescent protein reporter gene flanked by the
 regulatory elements. The ER60-green fluorescent protein vector was used
 for transfection experiments of COS-7 cells demonstrating the
 functionality of the promoter in the heterologous system. To analyse the
 expression pattern of ER60-green fluorescent protein in larval *S. mansoni*,
 in vitro generated mother sporocysts were transformed by particle
 bombardment, a method which allows gene transfer into **schistosomes**
 . Molecular analyses demonstrated transcription and translation of the
 transgene. Furthermore, confocal laser scanning microscopy revealed
 ER60-induced green fluorescent protein fluorescence within the larvae.
 Inside primary sporocysts, tissue-specific activity was localised in the
 gland cells, protonephridia and several cytons. These results suggest
 that ER60 is expressed in the ES system of larvae and, amongst other
 functions, may play a role in penetration and migration processes.

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2000:384463 CAPLUS
 DOCUMENT NUMBER: 133:39069
 TITLE: Use of **transgenic** parasites for introduction
 and expression of foreign genes in animals
 INVENTOR(S): Hamburger, Joseph; Laban, Avraham
 PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew
 University of Jerusalem, Israel
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032804	A1	20000608	WO 1999-IL651	19991201
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				

CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
 IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
 MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 764284 B2 20030814 AU 2000-14076 19991201

NZ 512325 A 20030829 NZ 1999-512325 19991201

PRIORITY APPLN. INFO.:

US 1998-201850 A 19981201

WO 1999-IL651 W 19991201

AB A eukaryotic diploid multicellular parasite transformed with a transgene is disclosed. A method of providing a eukaryotic host with a protein including the step of infecting the eukaryotic host with a eukaryotic diploid parasite transformed with a polynucleotide sequence encoding the protein is further disclosed. Thus, **transgenic Schistosoma mansoni** eggs were prepd. by electroporation. The GFP gene was introduced into the GST gene or into the SM1-7 repetitive DNA sequence by homologous recombination. The GST promoter was used to drive GFP gene expression. Snails were infected with **miracidia** produced from the eggs. Mice were infected with single-sex cercariae produced by the snails. **Transgenic** adult worms developed in the mice.

REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(2003) on STN

ACCESSION NUMBER:	96:58030 AGRICOLA
DOCUMENT NUMBER:	IND20533970
TITLE:	Genetic engineering of an insect parasite.
AUTHOR(S):	Gaugler, R.; Hashmi, S.
CORPORATE SOURCE:	Rutgers University, New Brunswick, NJ.
AVAILABILITY:	DNAL (QH442.G4)
SOURCE:	Genetic engineering; principles and methods, 1996. Vol. 18 p. 135-155 Publisher: New York : Plenum Press, [c1979- CODEN: GENGDC; ISSN: 0196-3716
NOTE:	Includes references
PUB. COUNTRY:	New York (State); United States
DOCUMENT TYPE:	Article; Law
FILE SEGMENT:	U.S. Imprints not USDA, Experiment or Extension
LANGUAGE:	English